



Chesapeake Bay Program

Chesapeake Executive Council

DECEMBER 8, 1998

DIRECTIVE NO 98-3

Accelerating Bay Restoration Through Implementation of Innovative Technologies

In 1997, by our adoption of [Directive 97-1, Baywide Nutrient Reduction Progress and Future Directions](#), we called for the development of innovative, point source control technologies and new approaches to nonpoint source reductions. These technologies can play an important role to help reach nutrient reduction goals and maintain nutrient load caps.

AS WE ENTER THE 21st CENTURY, new and enhanced environmental technologies are critical to reducing pollution releases, lowering compliance costs and improving production efficiency. The [Chesapeake Bay Program](#) has already played an important role in encouraging the development and implementation of Biological Nutrient Removal technology and other innovative point and nonpoint source pollution reduction technologies. These efforts should continue, and similar efforts should be advanced for such areas as concentrated animal operations, air quality technologies, ballast water management, efficient development patterns and others. In recognition of this, we direct the Chesapeake Bay Program partners to undertake an Innovative Technologies initiative. The term "innovative technologies" encompasses the array of technological developments that strive to enhance and improve the performance and/or reduce costs of existing or new technologies.

THEREFORE, WE DIRECT THAT the [Chesapeake Bay Program Partners](#) work together to:

- Identify Chesapeake Bay Program restoration and protection needs in the areas of pollution source reduction and prevention, environmental monitoring, habitat restoration, and telecommunication that would benefit from the implementation of innovative technologies.
 - By May 1999, the Chesapeake Bay Program's [Implementation Committee](#) will work with the Program's Subcommittees and Advisory Committees to develop a technology needs matrix of Part I) Restoration and Protection Needs, and Part II) Performance Expectations to

meet those needs, and publish the matrix on the [Chesapeake Bay Program website](#)

- Following completion of the technology needs matrix, convene an Innovative Technology Task Force to determine the best approaches to carry out the directive commitments. The Workgroup will be composed of members representing each of the Bay Agreement signatory technology offices, as well as selected representation from applicable technology professional trade associations and/or innovative technology promoting organizations.
 - The Task Force will identify and initiate partnerships with existing industry professional, trade associations, federal and private programs, and other regional and national organizations that have an established role in seeking out, fostering development, piloting, marketing, and verifying capabilities of new technologies.

It will accomplish the following tasks in cooperation with identified partners:

- By June 1999, the Task Force will develop a process to effectively communicate the Chesapeake Bay Program's restoration and protection needs to the public, research, and technology development communities in order to match the needs with innovative technological capabilities. Such a process should include a mechanism of innovative technology data information exchange to reduce duplication and foster enhanced awareness of technological developments, pilots, research and capabilities.
- By October 1999, the Task Force will develop Part III of the matrix, identifying the emerging innovative technologies to address these needs and expectations. Such information will include the status and performance capabilities of these technologies.
- Each of the Bay Program jurisdictions will individually seek to accelerate deployment of innovative technologies that support Bay restoration and protection. Solutions, protocols and verification standards will be shared and networked with the Bay Program partners.
- The Chesapeake Bay Program will accelerate the deployment of innovative technologies that support Bay restoration and protection through the following actions:
 - Review and update as necessary the Bay innovative technology matrix (Parts I-III).
 - Promote the exchange of information through the Chesapeake Bay Program and jurisdiction Web-pages.
 - Ensure that information is transmitted to potential technology implementers.

By this directive, we affirm our commitments made in the [1987 Chesapeake Bay Agreement](#). We the undersigned agree to further our efforts through this directive.

December 8, 1998

FOR THE STATE OF MARYLAND, *Parris N. Glendening, Governor*

FOR THE COMMONWEALTH OF PENNSYLVANIA, *James M. Seif, Secretary of PA DEP*

FOR THE COMMONWEALTH OF VIRGINIA, *James S. Gilmore, III, Governor*

FOR THE DISTRICT OF COLUMBIA, *Marion Barry, Mayor*

FOR THE CHESAPEAKE BAY COMMISSION, *Del. John F. Wood, Jr., Chairman*

FOR THE UNITED STATES OF AMERICA, *Peter D. Robertson, Deputy Administrator of EPA*

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